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the Cannon

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AN OFFICIAL NEWSPAPER OF THE UNIVERSITY OF TORONTO ENGINEERING SOCIETY

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Exposing Ontario's Engineering Students

Dustin "Avalanche" Kersey
President of ESSCO

Frosh Intro: Please allow me to be the (insert number here) person to welcome you to the first day of your four, five or six year quest for the Iron Ring. My name is Dustin Kersey and this year I am the President of ESSCO. Now I know what's going through that F!rosh head of yours: What the heck is ESSCO and when will my head quit looking like a F!rosh's? [*next September*—ed] Well, let me tell you: ESSCO is an organization set up, run and directed by engineering students, for engineering students. Each engineering society at the thirteen universities that offer engineering in Ontario has a seat on our council.

Upper Year Intro: Welcome back to another year of stress, friction and strain, don't worry it will all be worth it once you get that ring on your finger. My name is Dustin Kersey and this year I am the President of ESSCO. Hopefully you've heard the word ESSCO floating around your school and within your engineering society. If not you might as well read the Frosh Intro.

Throughout your university career, you will discover that there is more to engineering than homework, studying, cramming, passing and failing. There are issues affecting your education, university life and extracurricular activities. You will realize that you have entered a faculty where you have a lot of friendly competition with other engineers throughout Ontario. Competition between students enrolled in these places of so-called "higher learning" is fun, exciting and sometimes messy. ESSCO provides an umbrella under which all Ontario engineering students can come together, pool our resources and help each engineering faculty become stronger (and also to compete with a greater evil... engineering students from outside Ontario).

While you are an engineering student you will have opportunities to meet, converse and compete (boat race) with many engineering students and share with them your common interests and experiences (F!rosh week). Ask your engineering council about all of the conferences and competitions you can attend or help organize. Topics covered at these functions range from academics to F!rosh week events to women's issues and everything in between. In addition you get to visit other universities and be treated with the same type of enthusiasm and gusto you would endow upon a fellow engineer visiting your university for the first time (insert evil laugh here)...

If you are interested in finding out more about ESSCO, our events, and engineers at other universities, here are some helpful hints:

Subscribe to the ESSCO LINK

I know, I know, "What's the ESSCO LINK?" Okay; if you have e-mail (which you should at university) you can send a letter to the link and the letter will be forwarded to everyone who has signed up. The link is used to discuss any matters engineering students are concerned about. The great thing is that you can get different opinions from all across the province and find out every side of the story. It's also a great way to exchange ideas with other engineering students since every engineering society in Ontario is on it.

Here is what to do to sign up: send an e-mail to `listserv@listserv.uottawa.ca` with the words "SUB ESSCO-L" in the body, and nothing in the subject. Makes sure you send this from the e-mail account you want to receive the messages at. Once you've joined, don't be afraid to jump in and give your two cents.

Visit our Web Page

Just surf on over to get all the information you're dying to know about ESSCO. We've got contact names for engineering societies at other schools, competition and conference information, contests and the latest information on projects we are currently working on. The URL is `http://www.essco.on.ca/`

E-mail ESSCO

Any questions or comments you have for the executive can be e-mailed to us. You'll find all our addresses on the ESSCO website at `http://www.essco.on.ca/essco_executive.html`

Talk to the Engineering Society at your University

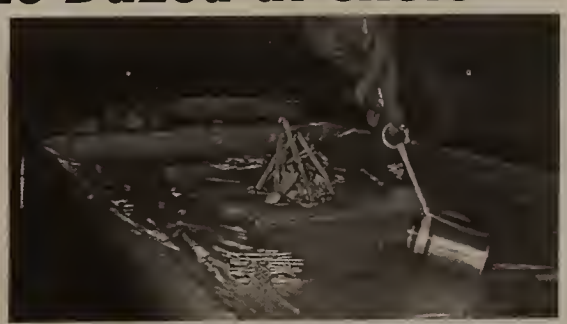
The people on your engineering society will have lots of information on conferences, competitions and other events you can get involved in.

That's about all for now. Watch for articles from ESSCO in your engineering publications and keep your eyes open for conference dates and ESSCO Olympics. You don't want to miss out on the fun!!

Good Luck and Welcome to the family.

Schooling the Dazed at Skule Daze™ 9T7

by Tamara Ho ENG SCI OTO



SMOOSHING EGGS THE FUN WAY! FOR MORE IMAGES, SEE PAGE 7

Skule Daze™ is a University of Toronto engineering event that allows senior high school students to experience various aspects of what engineering life is like down here in Toronto. Which aspects, you may ask? Well the Skule™ spirit, sitting in on seminars, staying in residence, and a design competition, just to name a few. It is a chance for the "dazed" high school students to receive direct answers on anything they were unsure about regarding engineering at/and U of T.

Thanks to this year's Skule Daze™ 9T7 chair, Carole Song (NΨ 9T9) and vice-chair, Gina Seto (NΨ 9T9), Skule Daze proved to be yet another success in introducing the engineering life to high school students. The first thing the pre-F!rosh got a taste of when they arrived was what U of T engineers are specially known for...Skule™ spirit! They were greeted by our undergraduate engineers with ice breakers, the Lady Godiva Memorial Band, our engineering cheers and jeers, and several mysterious Men In Black *[ed note: the wholly-mythical and totally non-existent Beautiful Flower Committee does not exist. If you insist in spreading rumors about them, they'll do something unpleasant to you]*. Also included were swimming and playing basketball in the Athletic Centre, watching movies, dancing til midnight in the Atrium and playing "jailbreak" in Queen's Park. The Skule™ spirit certainly took its effect on the pre-F!rosh as observed in "the" exuberance, enthusiasm and endless energy they possessed during the weekend of May 24-25.

The pre-F!rosh had the chance to attend several seminars. They learned more about their interested engineering discipline by attending two option talks of their preference. Many of these talks were given by the chair of the respective department. They informed the students of the acceptance requirements, the course curriculum, and even what the future has in stored for them as an engineer. Speakers from several engineering industries provided talks about their company and what they look for when hiring their engineers. Lastly, some undergraduate students talked about U of T's co-op program—the Professional Experience Year (PEY) while others filled the pre-F!rosh in on the numerous extra-curricular activities U of T Engineering has to offer.

Staying in the New College residence allowed the pre-F!rosh to experience the security offered (darn those elevator

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the Cannon
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PLEASE NOTE
THE CANNON is a medium through which undergraduate engineering students can express their opinions. The views expressed herein are those of the author and do not necessarily represent those of the editors or the Engineering Society unless so indicated.

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Editorials

Going my way?

by Gina Seto ENG SCI 979

Hello, class of 0T1, what brings you here?

Have you ever looked to your future? That fuzzy horizon way, way off in the distance? For some, that fuzziness is incredibly magnified by their indecision and irresolution, a sort of time warp myopia.

I myself have a pretty severe case of this myopia. Most of my goals are fairly short term: What brand of instant noodle should I try next? What flavour? I am simply the quintessential X'er. When I decided to come into engineering two years ago, I was expecting a great moment of clarity; someone or something to show me the way to an exciting, financially secure career and a truly hip lifestyle.

But no magic coke bottle glasses here.

I went through my first two years here working, laughing, and playing. After all, university is just school. It is a great period in my life, and I'm making the most of it. The instant of clarity I expected never presented itself to me. I don't even know what I expected. So I started looking at engineering as another four years of not having to think about it.

Just this summer, I've experienced an unexpected epiphany. I am working at a company conceived, and run by U of T engineering graduates. These people are amazing, dynamic and fun! They went to the same classrooms we do; complain about the same profs. I can see them now, freaking out over assignments, sweating out an exam. They've *been* here before. Ultimately, they brought about their own success. Ideas that they picked up from school, summer jobs, older/younger classmates, sparked the movement towards key career choices. And they will do so much more, because they are living their future. And you know what? So am I. My point is, there is no single set road to my future, no ultimate destination. It could be absolutely anywhere, depending on the direction I am facing right now. And I always will be who I am now.

For the first time, I am EXCITED about my future. Yes I admit, it was looking pretty bleak a couple of years back. And yes, it's still incredibly fuzzy. But now, I think I'm going to stop squinting.

All this, from my appalling aimlessness two years back. And it brings us back to my first question. What brings *you* here?

Meanwhile, take a look around. You will be bombarded by flyers and e-mails from dozens, maybe even hundreds, of different clubs around campus. Get involved! Bite bullet and try out for that club or team! Your very own Engineering student council, Eng Soc, has a plethora of happening events on its calendar (my personal plug is for SkuleNite) as well as some excellent organizations (CANNON!). Get out there and meet some people while you're at it. Trust me, you will be amazed by the wealth of talent and personality in your peers.

Learn how to use your e-mail account (check out the IEEE Unix session), and e-mail me your thought and opinions at seto@ecf.

Listen Up!

by Julian Dunn COMP 0T0

My appointment to the co-editorship of the Cannon had barely been settled, when I began to contemplate just what I was going to use this space for. At the time, I thought I had a great many things to say that I felt, egotistically, that eight times a year would be insufficient for my discourses. But when I actually sat down and began to write the first draft of my editorial, I found myself dry of inspiration and ideas. I soon realized the problem – I was trying to talk about the issues that surround me, and trying to express opinions when I had not even made up my mind. Why was that so? Because I hadn't even bothered to listen to the various arguments for or against an issue, and was trying to talk about them without, in essence, knowing anything.

Listening is a wonderful thing. I think that engineers in general are prone to talking too much and listening too infrequently. How many times have you seen an engineering student babble on about the highly technical details of his or her newest gadget while a friend sits by, nodding dumbly in reaction to the stream of mindless drivel emanating from the speaker's mouth? I think much of the perceived social ineptness of engineers stems from this kind of phenomenon. For instance, I recently met a fellow engineering student for the first time, and he immediately proceeded to loudly expound his opinions on such inflammatory topics such as religion or politics, totally oblivious to the possibility that I might be offended by his strong opinions. People probably think he's an arrogant boor. I think it's just because he has never bothered to listen to other people's viewpoints and sensitivities, and has always monopolized conversations.

As a working engineer, you will be called upon to make many decisions, frequently based on knowledge gleaned from other people. Listen carefully to them! Too often, it's easy to look down upon those who are not as technically capable as you are. But just because they are not, it doesn't mean that what they have to say is less important. Resist the temptation to roll over them with your glib tongue.

Finally, if there's one person you should listen to, it is yourself. Even as a very technically-oriented engineer, don't forget that you should never just base your decisions and opinions on your mind only. There's always a certain amount of gut feeling that comes out when you try to make a decision or form an opinion – listen to it.

Never let a day go by where you only talk and don't listen. When you don't listen to other people, you're denying them the whole premise of conversation – interaction. Interpolating, you can hardly be expected to form decent opinions without listening to yourself. Just what *do* you think?

HAPLESS FUSION
©1997 calum tsang
slackerman, the adventurer.
slackerman's weapon o' choice
meet slackerman, aka parker the gen-x antihero.
hey.
and his sorta-okay dog, quentin.
arf.
slackerman is aided by his existentialist dj pal, guido.
aaight.
plus his guitar playing friend that-is-female, who rides mountain bikes and goes ocean diving, LAWRENCE.
hey.
NO FEAR
so, slackerman and his troupe of selfaware but not overly extended young folk are walking along. and...
along comes slackerman's arch-enemy, Achiever-Boy.
hello, parker, let's go to debating society!
stay away, you... do-gooder!
Slacker-boy draws his trusty sidearm, the EMT-7021 All-in-one remote...
but because he put off buying new batteries, the paranthesy clicker is half functional!
Will slackerman survive?
Will achiever-boy prevail with youth empowered zeal?
Find out next issue!
arf

Opinions

Exams: A Fair Measure Of Competence?

by Anthony Patafio ELEC 9T9

Final examinations have been a mainstay in the Faculty of Engineering for quite some time now. Exam time is undoubtedly a stressful time for all students involved. But is this traditional and standard method of testing still appropriate for engineering education in the 1990s and beyond? Are final exams in accurate measure of a person's competence in engineering tasks?

The main complaint students have about exams is the unrealistic situations they pose. Exams far too often require students to complete a large number of questions in a limited time and without useful resources one would normally have in practice. To force students to learn such a tremendous amount of detail for final exams is quite taxing, especially since there are not just one but five courses in a full-time workload. Is it fair to provide four months of instruction per term and then have so much of a student's grade (upwards of around 50%) depend on a 2.5 hour exam? It is not just the final exam that poses such questions, it is also the numerous tests and quizzes that form the majority of a student's final mark.

Good performance on the material covered in exams does not necessarily make a good engineer. Exam questions are not necessarily conducive to real-life situations. Such questions cannot possibly cover every relevant situation with respect to solving engineering problems, especially given the diversity and sheer magnitude of knowledge in the fields of engineering nowadays. In fact, many practising engineers will readily admit that very few specific details are retained from university. Much of the knowledge used in practice is learned on the job. Why then is so much emphasis placed on making sure one knows all the material for the final exams?

All the students have worked hard to get where they are and to make or break someone's career based on a few specific questions on an exam is ludicrous. In fact, everyone in engineering without a doubt has a respectable high school background. Everyone in the faculty has a desire to become an engineer, has met the qualifications from high school, and for anyone to be turned back now is unfair. A few exams can be marked so subjectively, and such methods should not make or break a career.

The subjective nature of the current method of evaluation is obviously due to the fact that some students with great potential who obtained averages in the 80% to 100% range in high school are suddenly thrust into a situation where they can only obtain averages in the 60% to 80% range in university. Is it really necessary to place a label on everyone and rank students like this? The bottom line is that all students in engineering are bright enough to deserve to be there and denying them the opportunity of a lifetime based only on test situations would be a waste of potential.

One may argue that the skills tested on exams are the basics necessary to be a competent engineer. While the importance of competence in engineering must definitely be realized, exams and test situations are not always the best methods of testing this competence. While I am not suggesting that testing be eliminated altogether, I do believe that other effective methods can and should be used to determine the capabilities of students in engineering.

Skule™ News

Faculty Sponsors Professional Development Seminar Series

By Teresa Miniaci, Coordinator of Support Services (Office of the Registar)

Like it or not, success in your engineering career will depend on more than just your academic achievements, even if your marks are excellent. Engineers working around the globe in the twenty-first century, whether as employees or entrepreneurs, will have to be more than just competent technical experts.

A number of attributes and skills beyond the technical will enhance your marketability and help you stand out as a candidate of choice in a job search.

Can you communicate effectively and comfortably both orally and in writing? Do you understand the need for and can you be trusted to work to high ethical standards? Can you demonstrate your ability to work well with others in a team? How do you understand the concept of leadership and will you be able to inspire others to work together and with you?

Paying attention to these questions will pay off when you look for that first job and future ones as well.

To help you start thinking about these issues and to provide some answers, the Faculty of Applied Science and Engineering is presenting an important series of professional development seminars and lectures during the 1997-1998 academic year.

Practicing engineers from a variety of industries and sectors will address these questions and others as they describe their personal career paths, and the things that helped or hindered them. They'll talk about what they know now that they wish they had known when they graduated and give you useable hints that you can apply in your own job search.

More specific information about the individual seminars will be given to you at the beginning of the school year and dates, times, and places advertised by posters and e-mail before each session. Be on the look-out for them.

Attendance at these sessions is considered a vital part of your engineering education and will be valuable to your resume. Attendance will be by pre-registration only and those attending at least four sessions will be given a certificate of attendance.

Plan to make these sessions a regular part of your schedule this coming school year! We hope to see you there.

A Blue & Gold Welcome

by Ryan Morris ELEC 9T9

Well, it's the beginning of a brand new year, and lots of things have to be done. The Blue and Gold Committee welcomes all of the F!rosh, and invites everyone out to our sign-up meeting and first movie night on Wednesday, September 17th. Homecumming is early this year, so the float will be built in the last two weeks of September. Rev up those power tools and come on out to our first building meeting on Tuesday, September 23rd. All of your vices will be satisfied (BEvERages, grease, body painting, loss of limbs (but only if you're lucky <grin>)). UofT Day/Homecumming is October 4th this year, so we'll have to build fast (or long). I'm tired of writing last minute write ups for EngCom flunkies, so I'm going to end it here and go to bed. See you at the meetings!

The New Engineering Liaison

by Karen Virk ELEC 9T9 (VP External)

Last year, the undergraduate engineering students voted to establish a new office called the Engineering Employment Office. The purpose of this office is to help undergrads in obtaining engineering employment.

During the summer, the Vice-Dean of Engineering, the Employment Committee Co-chairs and I (VP External) have been in charge of getting this office off the ground. Much of the groundwork bas been completed and we expect the office will be fully operational very soon.

The students voted to pay $25 out of their tuition to fund this office. This money is collected with your tuition fees, and distributed to the Employment Office by Engineering Society.

In the Employment Survey that was done last year, most students indicated that their number one problem in finding a job was lack of contacts. The process of filling the position of Employment Officer is underway. This officer is expected to serve as a "contact" between students and industry.

The office will be located across from the atrium, beside the PEY Office in the basement of San Flem — right in the midst of the "bub" of engineering activity.

The Employment Officer will be supervised by the VP External of the Engineering Society and the Vice-Dean of Engineering. Renovations have been undertaken to prepare the physical space for this office. Additionally, many companies have already approached me excited about the prospect of this new Office.

With a little luck and a lot of hard work, this office will be a smasbing success!

If you are interested in

helping establish this office or

being a part of the Employment Committee that will deal directly with the Office

you can email me (Karen Virk) at **vpexternal@skule.ca** or one of the Employment Committee Co-cbairs (Sbailja Tewari at **tewari@ecf** or Nauman Hasan at **hasann@ecf**). If you prefer, you can leave a message in the VP External's box or the Employment Office box in the Engineering Society.

Skule™ News

The Hunt Is On

by David Lie ENG SCI 9T8

For many, the final weeks of April represent the final test, the home stretch before which overworked, stressed-out and frustrated engineering students can finally have some well-deserved rest. However, for some, the end of April represents the transfer from the one arduous task of hunting for the correct answers on a test, to an equally different assignment of hunting for the much coveted summer job.

Summer jobs are no longer a luxury as they were in high school - a bit of extra spending money in the pocket with which one could get a little more out of a short two month summer. Now, they have become a necessity.

For many they represent a chance to gain vital experience which they can claim in order to bolster their marketability later on. For others, they also ease the financial burden of tuition and living away from home. For all, they satisfy the requirement of 600 hours of practical experience set out by the Faculty of Engineering.

But how does one guarantee oneself a summer job? Well, naturally one cannot — but there are many ways to increase one's chances. Most believe that out of all members of the undergraduate engineering faculty, the group with the greatest number of cards stacked against them is indisputably the first year class. These are the students who, like their older colleagues, have all the same burdens, both financial and otherwise to bear, yet can not claim the experience or specialized skills that their elders have. Or is it just that? It is not just having the greatest skills or the most experience that allows one to arrive at getting a summer job. It is, in fact, just a matter of being in the right place at the right time.

Those, in the higher years have developed a knack for this because they are simply better informed. They know how the game works. The majority of job openings are never advertised. They appear in no public forum and there is no official process for filling them. Word of mouth has been, and still is the best way of getting a job. Developing contacts has always been a good way of increasing one's chances of finding summer employment. When one is well informed of the demand for employment and where that demand is, one can better place oneself in the position to be in the right place at the right time.

So for those who suddenly feel the need to leave their name and phone number with every person they meet - well don't, people may back off if approached in too forward a manner. Everyone has an abundant number of sources. Friends, relatives, teachers, neighbours could all be hidden treasure troves of job opportunities. One simply has to look. Naturally, for many, the best place to start is with Mommy and Daddy. They themselves may know who to ask, even if they are not working in engineering or related fields.

There is one thing to keep in mind however. Remember those specialised skills and experience that now lay forgotten by the way-side? These contacts only get one's foot in the door. What one does to open it is one's own business.

A MasterpIEEEce of Engineering

by Binh Ha ELEC 9T8

The IEEE is ...

The Institute of Electrical and Electronics Engineers (IEEE) is the world's largest technical professional society. Founded in 1884 by a handful of practitioners of the new electrical engineering discipline, today's institute is comprised of more than 320,000 members who conduct and participate in its activities in 147 countries. The men and women of the IEEE are the technical and scientific professionals making the revolutionary engineering advances which are reshaping our world today.

The technical objectives of the IEEE focus on advancing the theory and practice of electrical, electronics and computer engineering and computer science. To realize these objectives, the IEEE sponsors technical conferences, symposia and local meetings worldwide; publishes nearly 25% of the world's technical papers in electrical, electronics and computer engineering; provides educational programs to keep its members' knowledge and expertise state-of-the-art. The purpose of all these activities is two fold:

1. To enhance the quality of life for all peoples through improved public awareness of the influences and applications of its technologies; and
2. To advance the standing of the engineering profession and its members..

The IEEE, through its members, provides leadership in areas ranging from aerospace, computers and communications to biomedical technology, electric power and consumer electronics. For the latest research and innovations in the many diverse fields of electrical and electronics engineering, industry and individuals look to the IEEE.

Student memberships are available at a substantially discounted rate; dues and fees are far below what other members must pay. Take advantage of the IEEE Student Branch here at the University of Toronto, and get INVOLVED.

Our branch has an executive committee of 20 students. We will be publishing a bimonthly newsletter and hosting monthly events that are intended to develop your academic and professional career. If you have further questions about our Executive, you are warmly invited to visit our office at SF B580 between 12-2 pm on Tuesdays and Wednesdays.

Look out for the following upcoming events: Orientation F!ROSH IEEE Draw; Wine and Cheese on Thursday, September 18th; UNIX Tutorial in September and Career Growth Dinner in October. Join the IEEE and be able to take advantage of all that there is to offer. Applications are available in the IEEE office.

IEEE Executive MUGSHOTS:
Top: Ray Chang and Binh Ha, co-chairs • Upper middle: Karen Virk, Treasurer, and Dave Lie, Secretary • Lower middle, bottom: The IEEE executives show their relaxed, casual side.

Women in Engineering Association

by Becky Curran CHEMOTO

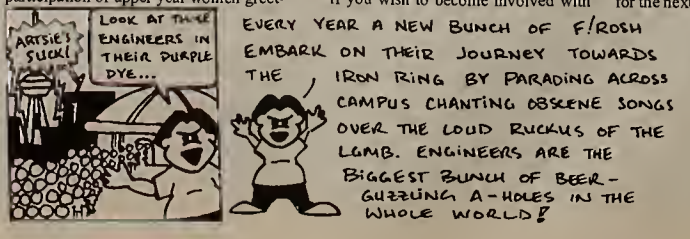
Hello and welcome back to Skule™! I've been given this space in the Cannon to update you all on an important group in the Engineering environment. Every issue this year will have a piece talking about the Women in Engineering Association and the events they are involved with. The Women in Engineering Association (WEA) is made up of students and staff members who have a desire to help women who have chosen the demanding field of engineering. WEA is here to support and assist women in the faculty by providing guidance and information during their studies and into their careers.

Events are planned by this informal group throughout the year for both women students and women faculty members. This year, WEA is working together with the Engineering Society's Women's Issues Committee (WIC) to organize a mentorship program for women in the class of 0T1.

The transition to university life can be very dramatic. Realizing the special needs of women entering the faculty of engineering, WEA and WIC have asked the participation of upper year women greeting incoming students, answering questions and soothing general concerns about the upcoming years. First year women were contacted in August and invited by their mentors to a barbeque to be held during F!rosh Week by WEA. The hope is that with the guidance of these women who have been there, the first years will be more comfortable in their new environment and a lasting bond will form.

If you wish to become involved with WEA or have any ideas for events for WEA to sponsor, feel free to leave your name and contact information in the Womens Issues Committee box in the Engineering Society.

Also, keep your eyes open for the new WEA web page which should be up soon, if not already. Unfortunately, no address was available at the time of this articles submission but I should have the address for the next edition of the Cannon.


ARTSIE'S SUCK!
LOOK AT THOSE ENGINEERS IN THEIR PURPLE DYE...
EVERY YEAR A NEW BUNCH OF F!ROSH EMBARK ON THEIR JOURNEY TOWARDS THE IRON RING BY PARADING ACROSS CAMPUS CHANTING OBSCENE SONGS OVER THE LOUD RUCKUS OF THE LAMB. ENGINEERS ARE THE BIGGEST BUNCH OF BEER-GUZZLING A-HOLES IN THE WHOLE WORLD!
THOSE WERE THE BEST DAYS OF MY LIFE!
Yes

Schooling the Dazed

Continued from page 1

keys!), the breakfast buffet, the short walking distance to get from residence to other engineering buildings and vice versa. Although they stayed in only one of the several residences offered at U fo T, they were able to visit the other residences and learn more about them during the tour around the campus.

The weekend would not be complete without a chance for the "potential engineers of the future" to exhibit their designing aptitude. The design competition involved creating an egg shelter out of only toothpicks and glue. This shelter had to protect a raw egg from falling weights of up to 1 kg! The pre-F!rosh worked in groups of a maximum of five people and were given restrictions as to the dimensions of the shelter. They immediately got cracking on their ideas and construction of the shelter for they had just under three hours to complete the project. The following day, the shelters were tested. The winner was determined by a scoring system involving the weight of the shelter, the weights itself, and the height of release. It was certainly an afternoon filled with excitement, suspense and pure destruction (scrambled eggs, anyone)?

Two days certainly were not enough to show all that U of T Engineering has to offer. However, it was perhaps enough to convince the pre-F!rosh in becoming engineering F!rosh at U of T!

For the leaders, participating as a volunteer leader of helper allows you to meet people from other engineering descriplines, to have a fun filled weekend and most importantly, to school the "dazed" pre-F!rosh about U of T Engineering. Watch out for sign-ups for Skule Daze™ 9T8.

Skule™ News

ESSCO: The PEO Perspective

by Jason Pilon MMS 0T0

If someone asked me, "Jay, how would you like to spend a weekend in London with about 80 engineering students from across the province?", I'd have to be fool to decline the opportunity. Fortunately for me, that opportunity was presented to me in late April by our VP External, Karen Virk.

The main purpose of ESSCO's Annual General Meeting was to elect the new executive for the upcoming year, and to provide them with a mandate. The meeting also included several workshops, a few informative discussions about issues affecting engineering student societies in Ontario, and the closing plenary session.

My interest in student professional development drew me to the workshop entitled "Professional Engineers of Ontario - Student Affiliation". This workshop was presented by Mr. Johnny Zuccon and Dr. Norm Williams from the PEO, and Eloise Harvey, ESSCO's 1996-97 VP Education. During the workshop we explored the benefits of increased student collaboration with the PEO, as well as examined some of the mechanisms through which such a collaboration might be established.

In general, most of the workshop participants expressed an interest in some form of student relationship with the PEO, although some students were concerned that the PEO might take a more active role in scrutinizing student activities. Mr. Zuccon and Dr. Williams expressed a sincere interest in increasing the relationship between the PEO and engineering students, and they allayed the fear that the PEO might somehow try to clean up student activities. They acknowledged that their goal is to increase the visibility of the PEO at the student level in order to encourage more young engineers to pursue their professional designation.

The Evolution of ESSCO

Karen Virk ELEC 9T9 (VP External)

This summer from June 6 to 8, a delegation from UofT Engineering went to the annual ESSCO Conference, hosted at the University of Western Ontario in London, Ontario. I and three other delegates attended on behalf of UofT. It was a smashing success! I met many interesting people and learned all about what other engineering societies are doing.

For those of you who don't know, ESSCO stands for Engineering Society Student Councils of Ontario. Meetings are held once a year and are hosted at a different university each time. Representatives from universities all over Ontario attended and we exchanged much information. A lot of good ideas were presented by other schools. Some of them that I personally thought would be worth looking into here at UofT are:

- A seminar on graduate school
- Mock interviews performed by people from industry. The interviews would be taped for students to see how they did.
- A registry of old problem sets, tests and quizzes for our courses.
- A "gripe session" with two professors about any problems students have with professors or with their courses.

It was really interesting hearing what other schools were doing and considering the possibility of implementing them here are UofT. All of these ideas have been presented to council and if you have any further ideas, let us know!

There was much discussion on the possibilities of student affiliation with the PEO and this year's ESSCO exec has already started work on it. This would involve either student membership with the PEO or the creation of student chapters with membership. There were two representatives from the PEO attending this year's ESSCO meeting, whose valuable input is helping us put together a viable proposal.

There was some heated discussion on whether or not ESSCO was actually a benefit to students considering its low visibility and lack of participation in earlier years. The question arose as to whether or not it was useful becoming actively involved with this organization. My earlier apprehensions were put to rest after I saw the benefit of meeting so many other students outside of UofT. Problems they face now may be our problems of the future and vice versa. It was great seeing how other universities dealt with such issues or whether or not they had such issues as women in engineering, racism, lack of spirit, rowdy students and lack of accountability of professors.

At this year's meeting, the out-going executives (which included U of T student Julian Wright (INDY 9T7) as its president), gave an accountability session to report on what they had done. The outgoing ESSCO execs brought forth a recommended mission statement and put together its roles and responsibilities. Issues discussed at this year's meeting include;

-a report on women in engineering
-the progress of this year's Ontario Engineering Competition (OEC)
-the status of the Canadian Federation of Engineering Students (CFES)

This year I am of the mind that ESSCO has a lot of potential to be highly useful in the future and is doing a remarkable job of focusing on a direction. Although ESSCO is not a young organization, it has only recently made the jump to a respectable student body and it will take a few years to reach its full stature. Maturing ESSCO to its full potential is facilitated by effective leadership within ESSCO.

All members of the new ESSCO exec were elected that weekend except the Junior Executive Appointee. ESSCO has distributed applications for anyone interested in sitting on the council as the appointed member. For anyone interested in this position or wishes further information, please let me know. You can email me at vpexternal@skule.ca or leave a message in the VP External box in the Engineering Society.

Overall, I thought ESSCO was a great experience that covered a lot of ground. We had a great time and still managed to get a lot done. I encourage everyone to consider applying to attend next year's conference!

Fun and Games With the Social Committee

by Heather White & Christen Taylor

Welcome (or welcome back!) To help you get a good start to the Skule™ year, Social Committee is gearing up a number of events for your enjoyment.

The first Social Committee event is the Hart House Farm trip. Yep, that's right, fresh country air and lots of BevERages. I hope you're reading this article some time during Orientation week, because it is happening Saturday September 7. Watch for announcements and posters put up around Eng Soc for details as to meeting time and location. Or, ask anyone in Eng Soc who looks as if he/she knows what's going on. Chances are, they do.

Also, there will be a trip to Wonderland the following Saturday (September the 14th). There should (by this time) be signs posted around with details.

Other events that Social Committee is planning for later on in the Skule™ year include Oktoberfest (loads of engineers going to Kitchener for a major eat-drink-and-be-merry-fest), Cannonball (the Engineering semi-formal held at the end of Godiva week, in January) at least one Pub Crawl (date and details to be determined) and the Mystery Bus Tour (held near the end of the year, you pile into a bus with loads of other engineers to party at an undisclosed location.) Many of these events are subsidized by Engineering Society, so you have more reason to go!

For those of you who are interested in participating (in any way shape or form) in the Social Committee, sign-up for new members will be in early September (watch for the signs on the EngSoc bulletin board).

If you want more information about anything (but particularly the Hart House Farm or Wonderland trips) you are more than welcome to leave me a message in the Social mailbox or send me email at social@skule.ca. (Just in case any of you take me up on email, let it be stated now that I check the mailbox considerably more frequently than the email.) We're hoping to see you at all of these events!

Fresh Outta High School?

by Carole Song ENG SCI 9T9

Hi! I'm chair of the High School Liaison Committee. This committee may not sound as exciting as the Blue and Gold or Social Committee, but we're important to U of T Engineering because we're the people who endeavour to get you F!rosh to come here! And now that you've made the right choice by coming to U of T, it's up to you to convince the pre-F!rosh to do the same.

You can do this by partaking in such activities as F!rosh for a Day, Skule Daze, returning to your high school to talk about U of T Engineering, helping out on U of T Day, being a tour guide for the March Break Tours, and much, much more! Some of you probably have taken part in these activities as pre-F!rosh.

I bet you're thinking, "Great! But how do I join all these events?"

It's simple. When sign up sheets go up in the Engineering Society(in the basement of Sandford Fleming by the Atrium) later this month, just make sure you sign up for High School Liaison Committee!

Women's Issues Committee

Come out to the Women's Issues Committee Wine and Cheese on September 11 from 5pm to 6:30pm in GB202. Meet F!rosh, upper year students and Faculty members while discussing the role of women in engineering. All students are welcome to attend.

Join the Skule™ Book!

General Staff Meeting
September 11th, 5 p.m.
Engineering Communications Office
(see map on back page of this issue)

Skule™ News

9T7 Class Pledge Summary

Club	# of Students	# of Pledges	Rate of Participation	Total Pledged	Average Pledge Per Student
Civil	74	36	48.65%	$2,615.00	$35.34
Geological	11	11	100.0%	$3,625.00	$329.55
Mechanical	73	45	61.64%	$4,226.00	$57.89
Industrial	50	50	100.00%	$7,586.74	$151.73
EngSci	84	47	55.95%	$7,830.00	$93.21
Chemical	79	79	100.00%	$5,748.33	$72.76
Electrical	87	81	93.10%	$8,829.00	$101.48
MMS	16	16	100.00%	$1,700.00	$106.25
Computer	63	42	66.67%	$7,245.00	$115.00
PEY*	N/A	11	N/A	$2,300.00	N/A
Total	537	407	75.79%	%51,705.07	$92.00

Congratulations to 9T7!

By Malcolm McGrath, Assistant Dean

This year's graduating class has taken advantage of a once-in-a-lifetime opportunity to create a fund that will provide a number of engineering scholarships in perpetuity.

In early 1996, the Ontario Government agreed to match, dollar for dollar, any money donated towards student aid. The University thought that tbis was such a good idea, that they agreed to do likewise. Hence every dollar donated generates three dollars in an endowed scholarship fund.

When the Class of 9T7 became aware of this, they agreed to establish a scholarship fund with their GRAD*itude* money. A summary of their pledges is summarized in the table at the left.

PEY students between 3rd and 4th year were also asked for contributions, due to the outstanding opportunity of the 3-to-1 match. Their numbers, however, do not affect the participation rate, or per-capita donation amount.

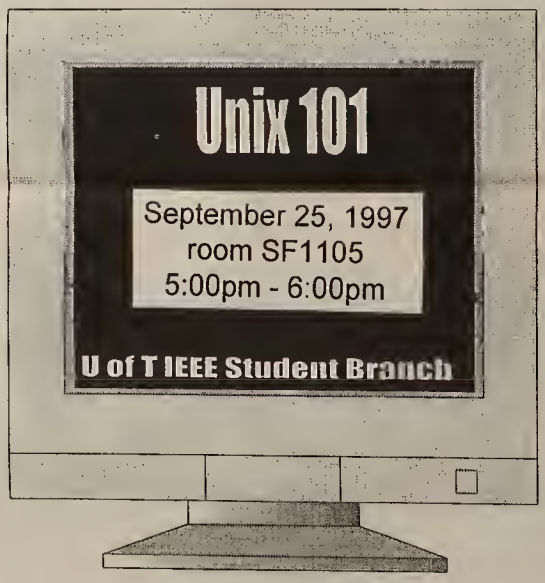
Taking the three for one match into account, the class raised $155,115.21! A fund of this size will provide $7,500 in scholarship money annually, and a committee of the class will decide the criteria for the awards.

These remarkable results were rewarded by the Engineering Alumni Council. Two cases of champagne were awarded to Geological Engineering for Gradball for their "perfect" score. They had 100% participation AND the highest per capita pledge. A case of champagne was given each to Industrial, Chemical and MMS for their scores of 100% participation.

The hard work of the GRADitude Chairs, Isabel Bayrakdarian (Eng.Sci. 9T7) and Roger Browne (Civ 9T7), as well as the club chairs, will be remembered for years to come. The students wbo are in lower years sbould make a special point of thanking the fourtb year. The money pledged is all for their benefit.

So I finisbed as I started – congratulations Class of 9T7. We love ya!

Having trouble logging in?
Can't send e-mail to your friends at other Skule™'s?
Want to make your own web page?
Come to our FREE seminar:



You are cordially invited to attend the

UNIVERSITY OF TORONTO IEEE STUDENT BRANCH'S

First Annual Wine and Cheese

Frosh & Members Welcome

September 18, 1997
Galbraith Building, Room 202
5:00pm - 7:00pm

Frosh & Members Welcome

THIS IS AN OPPORTUNITY TO SOCIALIZE WITH PROFESSORS, AND PEOPLE FROM INDUSTRY. LEARN ABOUT GRADUATE STUDIES, GETTING JOBS, AND SAMPLE SOME FINE WINES AND CHEESES.

Need more information?
e-mail: ieee@ecf.toronto.edu
Or come to our information booth at Harthouse on the first day of orientation. We're located right beside the FREE barbecue lunch!!

Professional Engineers Ontario

Are you interested in involving yourself with the Association of Professional Engineers of Ontario (PEO)?

The University of Guelph is hosting the annual PEO Conference this October 2nd to 5th. For more information, please contact Karen Virk at vpexternal@skule.ca or leave a message in the VP External box at the Engineering Society offices.

SkuleTM Daze 9T7

For the full scoop on SkuleDaze 9T7, see the article on page 1

DO YOU KNOW HOW TO USE THIS THING?

"HEY, PUT ME DOWN! PUT ME DOWN!" AAAH! THE EXUBERANCE AND ENDLESS ENERGY OF HIGH-SCHOOL STUDENTS...

THE EGG PROTECTORS BEFORE... AND AFTER

IT'S THE WORLD-FAMOUS LGMB!

Skule™ Nite

by Heather White GEO 979

Welcome/welcome back. (You know which applies.) Hope you caught the quick skits during Orientation week. (More to the point, hope you liked them!).

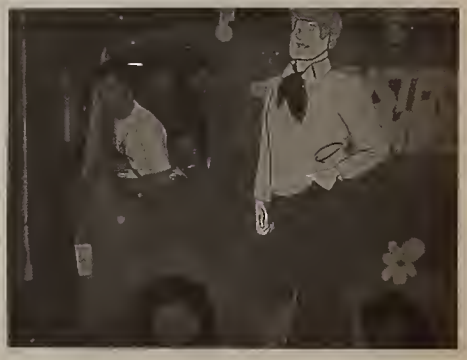
Those of you who are returning to Skule™ will remember (or *should* remember, I hope you've come to at least one Skule™ Nite in during your time here!) the great entertainment value that Skule™ Nite provides.

Those of who you are new to Skule™ will not yet have witnessed the sharp wit of Skule™ Nite. Skule™ Nite is a comedy revue written by engineers, produced by engineers, and performed by engineers. As it was last year, Skule™ Nite will be performed in Hart House, some time in March, hopefully to a sell-out crowd. (Hey, that's you I'm referring to!) Some of the skits we've performed? A musical amalgamation of two operas. (Skule™ Nite 97) Our version of the famous Labatt Blue commercials featuring the French-Canadian duo in a canoe. (Skule™ Nite 96) A Canadian version of the movie Independence Day ID4. (Skule™ Nite 97) And plenty of guffaws generated by short skits sprinkled liberally here and there.

F!rosh will find that they, in advance of their upper year Skule™ mates, have already got a ticket reserved for them with the F!rosh kit they buy. To take advantage of this fine entertainment venue, look for signs and announcements declaring that Skule™ Nite tickets are on sale. (Tickets usually go on sale beginning in late February) Then bring your student I.D. (which you will have gotten by the end of Orientation week) to the Atrium (where everything happens, like ticket sales). Those selling tickets will have a list of those who bought F!rosh kits and will mark off your name as they give your ticket. F!rosh who did not buy F!rosh kits, other Skule™ men and women, and non-engineers can buy their tickets directly at this time, either in the Atrium, or at Hart House Theatre.

For those of you who are interested in participating (in any way shape or form) in Skule™Nite '98 (the 75th anniversary of the first show) cast auditions and crew sign-up will be in mid-October (watch for the signs).

Also, there will be several writer's meetings throughout the month. If you want more information about anything (but particularly the Writer's Meetings), you are more than welcome to leave me a message in the Skule™Nite mailbox or send me email at *nite@skule.ca*. (Just in case any of you take me up on emailing, let it be stated now that I check the mailbox considerably more frequently than the email). Hope to see you all at Skule™ Nite, whether you are there as performers, stage crew, production crew, or as a part of the audience!!



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GRINDERS AND PIZZA
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Large – $ 10.25
Our menu is on the internet
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10 % DISCOUNT ON PICK UP WITH THIS COUPON OXEY'S
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Meet The Officers of the Engineering Society

President

Hey there!! "WELCOME!!" to the F!rosh, and "WELCOME BACK!!" to the upper year undergrads who are just crazy enough to come and conquer another year!! Hope everyone had a great summer and/or PEY term.

I encourage all of you to keep up with what's going on at Skule™ (besides academics). Read the Cannon & Toike regularly, check out our website (http://www.skule.ca), and most importantly, take advantage of your class reps (see VP Internal article)!!! All of these things combined should help you find out how to get involved and PARTICIPATE!!!

Sally Atalla
MECH 9T8

Why should you get involved? Skule™ Spirit, social, and professional activities offered by EngSoc, will more than compliment your academic focus. Those of you who are just starting out here should know that your time at the University will be filled with diverse opportunities and will go by FAST!! For the rest of you who are almost finished (whoo-hoo!!), you probably already know this, and I encourage you to try to squeeze something "non-academic" into your busy schedule while you still can.

Please remember that the Golden Doors to our offices are always open and we welcome new faces!! Feel free to drop by and say "Hi", ask questions, and take advantage of the services that we offer!!

VP Internal

Welcome back to another *fun filled* year here in Engineering Land (and all that other stuff I'm supposed to say). This month you will be seeing myself and the other officers of EngSoc running around madly electing class reps for this school year. If your are a F!rosh you should already know when your class election is – check the mailing you received in August) – but in case you didn't read it, the elections will be held during the week of September 8 - 12. Students in other year will receive e-mail as well as seeing posters all over Engineering as to when your election is.

Paul Andersen
COMP 9T9

It is very important that you attend your class rep election (especially if you want to be the class rep!) These people will be your liaison to both EngSoc and the faculty. They will represent your views and concerns along with keeping you informed! Encourage them to do a good job for you!

I'm also looking for people to help out on our web site (`http://www.skule.ca/`). We're hoping to really start using this web page to the maximum so if you'd like to help please give me an e-mail <*vpinternal@skule.ca*>. I also am the one responsible for the weather forecast you see on the electronic sign in the atrium. If you have something you want put on it (either a message or a better idea then weather) give me a shout!

Have a great year! Look forward to seeing you all!

VP External

Hello everyone!! My name is Karen Virk and I am your trusty VP External. I hope you all had a great summer. To the F!rosh, welcome to our hallowed halls of Skule™

For those of you who don't know, every month the officers put together a jazzy little write up to let you know how things are going.

Believe it or not, this summer has been extremely hectic for the Engineering Society. As VP External, I have been to one conference this summer and bave been actively trying to get the new Engineering Employment Office off the ground. In addition to that there have been a number of EngSoc Events that have been a blast.

Karen Virk
ELEC 9T9

There are separate articles for the ESSCO conference and the Employment Office so I'll just tell you a bit about what the VP External does and how you can participate.

The VP External is in charge of all external relations outside of the University of Toronto Faculty of Engineering. That means dealing with other universities, other EngSocs and Industry. The committees under VP External include the Professional Development Committee, High Skule Liaison Committee, Engineering Communications and the Employment Committee.

The next major event that's coming up from my side is the PEO Conference in Guelph taking place October 2-5. This is a great conference for meeting people and making valuable contacts. Application are being accepted until noon on Friday, September 12, so if you're interested, email vpexternal@skule.ca for more information or pick up an application down in EngSoc. If you want to talk to me personally, I am always around so you can just ask for Karen.

Anyways, that's enough from me. Good luck in the coming year and if you have any questions, the Golden Doors are always open!

VP Finance

Hello there F!rosh. I would welcome you to our wonderful faculty, but I'm sure that everyone else already has.

I'm supposed to take this space to tell you what my responsibilities are as the VP-Finance of the Engineering Society. I can sum it up in one word – MONEY MONEY MONEY MONEY.... MONEY <please sing this, I'm sure you know the song>. It is my job to ~~misappropriate~~ allocate all of the funds which the Society receives.

Alex Paradi
INDY 9T8

We get our money from the faculty, the alumni association, and your (or your parents') pockets. And guess where almost all of it goes? YOU!!! That's right, almost everything that the Engineering Society does/sponsors goes towards supporting your academic and your social lives.

This year I have taken it upon myself to directly oversee our major money centres, including SUDS (which ROCKS), the Stores (which have the BEST PRICES on campus), and F!rosh Nite (THE party of the year).

If you ever want to know what is going on with ~~my~~ your money, just ask. My name is Alex, and I'll probably be on a couch in Eng. Soc.

SKULE RULZ, and guess what? You're now in SKULE.

VP Activities

Well F!ROSH I hope you are ready for the best time of your life and the most amount of work you've ever had to do. As VP Activities I am responsible for organizing and overseeing orientation, the ~~Glue and Bold~~ I mean Blue and Gold Committee, the Social Committee and whatever else the PREZ tells me to do.

Joe McNamara
MECH 9T9

Keep your eyes open for such activities as: Pub crawl/ Mystery Bus Tour, Oktoberfest, Godiva Week (the largest display of Engineering Spirit all year), and of course the first major party you will experience as an Engineering F!ROSH, F!ROSH NITE. This is an annual event held the Wednesday night of F!ROSH WEEK where the Engineers host the best party of U of T orientation. Loud music, cheap BEvERages, lots 'o' people, and the F!ROSH (that's you) get in for free with the purchase of your F!ROSH kit. Well as I sit here writing this masterpiece and enjoying my BEvERage I realize that I am babbling, so one last piece of advice. Get involved in anything that interests you!

The Rest of The Engineering Society Executive

Clubs and Affiliates

Civil Club Co-Chairs	Dominica Comito and Joe Romani
Geo Club Chair	Drew Hill
Mech Club Chair	Marie-Chantal Ross
Indy Club Chair	TBA
Eng. Sci Club Chair	Kevin Harris
Chem Club Chair	Wendyline Wong
Elec Club Chair	Anthony Grbic
MMS Club Chair	TBA
Comp/Elec Club Chair	Dan Foisy
EAA	Taras Kohut
PEY Club	Eyal Katz and Riyaz Bhanji

Sub-Committees

Academic Affairs/EFCR	elected in September
Blue and Gold	Ryan Morris
Engineering Communications	Anna Edwards
Employment	Nauman Hasan and Shailja Terwari
First Year	elected in September
Fourth Year	Karen Barbara
High Skule™ Liaison	Carole Song
Professional Development	Jason Pilon and Alex Barnes
Social Committee	Christen Taylor and Heather White
SAC reps	Steve Ekstein
	Christopher Yeow
	Liza Miller
	Preeti Rungta
Women's Issues	Becky Curran

Club Reports

Civil Club

by Constance Scott CIV 97B

The Civ Club, of the University of Toronto, Department of Civil Engineering, is a non profit, student organization which hopes to meet the needs of all Civil Engineering students. Any student, who is registered in the Civil Engineering Program, at U of T, is a member of the Civ Club.

The Civ Club Executive are dedicated to bringing new and exciting activities, to all the students of the Civil Engineering Department. The Civ Club will be holding a variety of activities in the coming year in the Civil Common Room (4th Floor Galbraith).

The following is a list of some of the Civ Club events planned for the coming school year:

Big Brother, Big Sister Social
Come out and make new friends. "All Frosh Welcome!!!!"

Coffee House
Looking for singers, musicians, comedians, etc. to perform at Coffee House events

Common Room Crawl
All Common Rooms will be open for visitors

Civil Dinner
Dinner and Dancing

Civil Baseball and Hockey Challenge
For the sports lover in you

Concrete Toboggan and Concrete Canoe Competitions
Competitions against other Universities from across Canada and the USA

Iron Ring Ceremony

If you have any ideas about events or activities which you would like to see the Civ Club sponsor, drop us an E-mail. The Civ Club Executive would like to extend an invitation to you to come and say HI at the Civ Club office located in the Galbraith Building, Room 138. If you don't get a chance to come and see us in person, drop any of us an E-mail message (civclub@skule.ca). We would love to hear from you.

Mech Club

by Marie-Chantal Ross MECH 97B

Here you are. A mechanical engineering student. What does it get you? It gives you the privilege of being an elite member of the Mech Club. What perks does this club have? Smokers with FREE pizza and pop, winter BBQs, and even a gala dinner/dance. And unlike politicians, its elected board wants to hear your complaints. Not only hear them, but bring them directly to members of the faculty.

You wanted to join a country club? You've joined the next best thing. A room has been dedicated to you. Go to MC225 where you can enjoy the luxuries of billiards and soda; lay back on a chaise lounge and relax in the company of your fellow club members.

ECE Club

by Anthony Grbic ELEC 97B and Dan Foisy COMP 97B

Welcome back everyone, and welcome aboard F!rosh. This year's expansion of the computer engineering program brings along with it the expansion of the ECE club and new excitement and enthusiasm to the department. So get involved! Drop by the common room these days: ~~write~~ play some video games, ~~have a game of table tennis with your lab partner~~ a friend or just lounge around.

Here are some dates to mark down on your calendar. The first ECE smoker of the year will be on September 12 in the ECE common room (SF B600). Pizza! BEvERages! Notes and Book exchange! Come and meet the club executive and ECE students from all years. ECE paraphernalia will be available at the smoker so stock up. Also, the ECE dinner dance will be held on Nov 22, 1997. There's more, but why give everything away. Pick up the SHORT CIRCUIT and stay in tune with all the upcoming ECE events. All the best this upcoming year.

Geo Club

by Olga Kosarewicz GEO97B

Welcome F!rosh! You have started what will most likely turn out to be the best 4 years of your life! And if you chose to be in the department of Geological and Mining Engineering, you couldn't have picked better! Due to the small number of students in this program (around 60 in all four years), it is a lot easier to get to know your upper classmates. The place to meet these GREAT individuals is in the Mining Building, Room 130 (this is the location of the Geo Common Room). They will gladly help you out with your assignments, have a friendly chat with you, and play card games or chess(just beware of Nat!).

There also exists a Geo computer lab (next door to the Common Room), where you can type up your lab reports and of course, play Warcraft, Fatal Racing and other games. You must, however, purchase an access card to the computer lab (see Marg in room 118 of the Mining Building if interested).

The Geo Club student executive for 97/98 Skule™ year is: Drew Hill - chair, Jed Richardson - Treasurer, Stefan Ioannou - Secretary, Marisca Vanderkamp - VP Activities, Katherine Stasiuk - VP Sports, Jacob Hanley - Industry Rep, Andy Kouremenos - 2nd Year Rep. Throughout the year, the Geo Club organizes many events, including smokers. Our first one will take place Thursday, September 18th at 5pm in the Geo Common Room. (There you will be able to meet the NEW chair of the Geological and Mining Engineering and you'll also have a chance to meet Pierre Lassonde - a mining entrepreneur who donated a generous amount of money last year to our department.) There will also be a camping trip September 12-15th (see Marisca if you would like to come). If you like playing sports, talk to Katherine, VP Sports for 97/98. If you would like to hear what else the Geo Club is planning, come to MB130 and get involved.

BEST OF LUCK to all F!rosh!

Eng Sci Club

by Gina Seto NY 97B

Welcome to the Eng Sci experience. You,the hard core Eng Sci, will:

Seek sanctuary (pop, and snacks) in our new common room
Reflect over your horrible loss to Vranesic's chess challenge
Prove your unworthiness to upper years in our annual basketball tournament
Develop fanatical devotion to several key computer games
Submit to solicits for paintball outings
Feast at the dinner dance (semi-formal)
Share in the wealth of the Executive Exam Bank
Be, at all the smokers
Immerse yourself in Eng Sci paraphernalia
Suffer sleet and/or snow for the Eng Sci picnic pilgrimage
Genuflect to exec members (not optional).

Enviro Club

by Stanis Yu ENV CHEM 97B

Welcome F!rosh. This year poses to be the most exciting year for the Environmental Club. The inaugural season of the Environmental division has been a smashing success. In the past year, we were able to secure ourselves a common room in a PRIME location (SF1007) and it has been furnished with two very comfortable couches, a huge desk with chairs, and a microwave. And, lets not forget the mesmerizing landscape and logo that engulfs the rear wall of the common room. Unfortunately, you do need a combination to get in but many upper-classmates will gladly open the doors for you.

This year, the "Club" is ready to take the next step: To establish ourselves as an official club! That is why YOU are so important. We need lots of enthusiastic students to help us prepare for the year to come. You'll be a part in establishing a set of rules for the following year. You can be a part of organizing events such as smokers or information sessions. You may land yourself a position on the Executive Council (not likely, but it could happen). You may even get to meet the upper-classmates who might sell you there textbooks, or help you on problem sets. BUT, the best part is... you'll be able to put the words FOUNDING MEMBER on your resume. Now that's going to impress a lot of employers. So get involved and help out the "Club". If you want more information, you can direct your questions to Marsha Barrett at *eep@ecf.utoronto.ca* or visit her in GB134.

MMS Club

by Sachin Ghai MMS 97B

A warm welcome to all you F!rosh. To us you represent the future, you will carry the name of the department on your shoulders, you will be proud to say you are a metallurgist or material engineer, and most importantly you will conduct your daily business with care, pride, and efficiency. After all, you are an engineer!

But all this aside, MMS is the hidden jewel of all the engineering disciplines. It offers something that I believe you frosh will find very advantageous but very familiar: its small class size. In high school the class sizes were relatively small. When comes to university, students find that often they are just a number, and they lose their individualism. In artsie-land this is a major problem (1600 people in a first-year biology lecture at Convocation Hall!!!!) but in engineering, it isn't. Still, it is not unusual to have anywhere from 65 to 100 students if one decides to enter Civil, Mechanical, Computer, Electrical, or Engineering Science.

Pretty intimidating, I would say.

But here at MMS, where all the professors know students by their first name (very rare in other disciplines) the class size is only about 25! Woo hoo!

I know you have come to study engineering and not economics but I just have to say ....SUPPLY AND DEMAND. There is a great demand for our engineers but the supply is low as only a handful of universities offer the discipline. So you might ask...SO WHAT? What's your point? Simple! $$$$$$$$$$$ and lots of it. You can't beat that, plus you learn a lot and have fun too!

Labs in our discipline are not a chore but fun (and no, I haven't been brainwashed.) The only way to find out for yourself is to join the party of learning by coming aboard the great ship MMS. We offer you a common room, with 2 microwaves, 3 fridges, a pop machine (pop 60 cents) and an old television which causes major shocks, a nice stereo system, and a dart board, plus all the room you need to do your homework. Occasionally, the room transforms into what we call a smoker and everybody comes together to have fun and relieve their stress. We also offer you club dinners, lockers, advice, and some guy called WAZZU (strange guy) who lives in the MMS computer room. Come and get acquainted with us in the common room and we will introduce you to your new home. See you soon!

Chem Club

by Wendyline Wong CHEM 9T8

Hello from Chem Club! We represent all the Chem. Eng. undergrads. So all you CHEMS, yeah you, don't hesitate to voice your opinions and ideas, they are always welcome. Our location: Walberg 249A. How to contact us: speak to our exec. committee members (there will be a list outside our office) OR leave a message in our RED BOX which is also found outside our office.

Okay, so what does Chem Club do? Oh tonsa! We excel in providing pop for 50cents, a phone service for 0cents (aka free! Yes free! not 15cents a minute, not 25cents but FREE!), a microwave to heat up STUFF for free (no, it's not a Bunsen burner!), table/gittoni/foozeball for free and above all, a nice ROOMY Common Room (Walberg 238) with soft, comfortable, clean and elegant couches and chairs to relax in. So come by and check it out! That's Wallberg 238, can't miss it! Bring a friend, bring a fellow Chem or even friends from other disciplines. We also organize SMOKERS (parties with a CHILL-OUT atmosphere where BEvERages and excellent food is served), the ANNUAL semi-formal Chem Club Dinner Dance, and our popular TABLE SOCCER/GITTONI/FOOZEBALL TOURNEY. Stay tuned for exact dates and watch for the posters!

All undergrad Chems are not only part of Chem Club but are also part of the U of T student chapter of the Canadian Society of Chemical Engineers (CSChE). They act as a liaison between the national chapter and our student chapter. Our chapter organizes industry smokers where companies come in and hold an info. session (aka job opportunities). The national chapter of CSChE holds national conferences every year and this year it's in Edmonton. Every CHEM undergrad has the opportunity to go, so if you're interested contact our chapter! You can find out who they are outside of Wallberg 249A OR leave a message in the RED BOX.

Finally I'd like to wish you all luck and happiness! Have an explosive, smashing Skule™ year! Cheers!

Indy Club

Welcome F!rosh of 0T1 to the Industrial Club. As a full-time industrial engineering student, you are automatically a member. So read on and take advantage of everything the club has to offer you!

The common room, in the basement of Rosebrugh, is a great place to get cheap pop and snacks, use a free phone, and shoot a game of pool. The Industrial Engineering copy centre is also usually located in the common room.

It's where the club holds its monthly Smokers. Smokers are the perfect opportunity for you to get to know people (fellow F!rosh as well as upper years) while consuming cheap drinks and pizza. The Book Swap Smoker is a good way to buy virtually unused textbooks at bargain prices. Keep your eyes peeled for signs about when it will happen.

The club will also be organizing smokers sponsored by various companies. It's a fantastic opportunity to smooch up to prospective employers, get information about their companies, and hand out resumes.

Come out for an evening of good food and late night dancing at the annual Industrial Engineering Dinner Dance. Whatever the event, getting involved with the club is a great chance to have fun and make friends.

As an Indy you also bave the chance to join the Canadian Society of Industrial Engineers (C.S.I.E.). Members receive monthly issues of IE magazine and have the option to attend the annual conference. It's also another great way to make contacts and get your resumé passed out to a whole bunch of different companies.

The Indy Club offers you lots of ways to get involved as well as having fun. Be sure to join in the fun! See you soon, F!rosh!

Attention Club Chairs: The Club Reports page is available for you to submit upcoming events for your club. If you wish to have something printed in the next issue (October 2), please submit it (by e-mail to cannon@skule.ca, or drop a hardcopy in the Cannon mailbox) no later than Monday, September 29.

Entertainment

Pickle Me Almo

by Teresa Huang GEO 9T9

By the time this article is being read by you, the fad should be over. The fad had better be over! So a friend's father went to Japan and brought back a Tamagotchi. Yes, one of those electronic chicken virtual pet things that eats and sleeps and poos and gets sick and gets more cranky than the Titanic. And after hatching the darn thing, which looked no more than a bouncing circle with eyes, I decided to prove my tenacious ability to sustain meaningless activities, by taking on the challenge of having it live for two weeks, while my dear friend goes back to his summer term.

I took "Dill", as we had later named him due to his development from a bouncing circle with eyes to, well, a bigger bouncing circle with eyes, to work everyday. See, the real challenge of sustaining Dill's life was not the perpetual feeding, the embarrassing beeping, nor the sight of the mound of excrement, which he leaves with flies hovering above. It was the desire shown by my co-workers/friends to vanquish his existence that I was fighting against. So one day at work after a trip to the washroom, to my horror, Dill lost 2/3 of his weight because a co-worker decided to see if he could exercise the thing to death. Another co-worker was determined to turn Dill into a deranged ear-biting fighter by continuously feeding him candy and then subsequently disciplining the poor thing. And under my wings, Dill so safely grew in good health, as the productivity of the company went down.

And so finally, Dill had a tremendous metamorphosis and turned into this ugly looking chicken thing with big teeth. According to the nice little booklet, he thus had the possibility of turning into a "mystery character". This sat me off thinking. I will admit that I was indeed a tad disappointed that Dill did not develop into the goody-goody perfect chicken according to the diagrams. Although deep down, I guess that having the possibility to turn into the mystery character was a lot more exciting. After all, have I not always longed to have the possibility to develop into this "mystery character" myself? Have I not fought hard and defiantly with my parents and derided their wishes of me living a stable and "normal" future? Have I not always believed that there should be more to life than the nice little house, perfect little kids, and the secure job that may be a tad too insipid? So how could I have wanted Dill to develop into the perfect little model virtual chicken as instructed in the booklet? So I e-mailed these deep thoughts to my friend, the virtual father of Dill, I suppose. And being the SNAG (sensitive new age guy) that he is, he e-mailed me back immediately saying: I had orange juice for breakfast.

Painstakingly, Dill survived the two weeks and it was my friend's turn to take care of him. I received an e-mail the next day announcing Dill's death with the remarks: I knew I should have cleaned up the poo. We decided to name our second born Sage.

A Place

by Ilan Kelman ENG SCI 9T6 + M

You realize, of course, that now I'm going to bave to kill you.

You see, when I told you about the place, I didn't know that you would be unaware of what it could bring. This place is not subtle and it's not for fun. Rather, it's a place where we can all gather for peace of mind; a place where worries are not frightening and where tension cannot be cut with a knife (you need an chainsaw). It's a place that you can call your own even though there is no fine print. It's a place where dreams are shown on a big screen.

It's a place where you can collect footsteps and build transistor radios from them. It's a place where you don't get dandruff in your eyebrows. Although others have been known to win at bingo, I myself have never been so traumatized. It's a place where you can choose the speed of streetcars and where the traffic lights are always green in all directions. Unfortunately, it's always easy to say that the traffic lights are always greener on the other side of the road, but in this place that might actually be true.

It is neither a cakewalk nor a struggle of the century to get to this place. You are tested and tried, as any true believer should be. And then when you arrive, they scrub you down with a toothbrush, fry your innards in garlic butter, and top you off with hot fudge sauce, whipped cream, and a fake cherry before serving you. You have to understand what this place means to others. Can you even imagine the joy of racing plastic bags underwater or of building a house of cards from an Uno deck missing all the yellow ones? In this place, there are words which rhyme with "orange".

You have not only failed to accept this place for you, but you have also ignored the understanding inherent in such matters. You will now never be able to make a pencil with an eraser stand upright on an unfinished pine table, you will never be able to fly a kite made from shadows, and you will never wish to polish your toenails in a carwash. How can even wish to continue in this world knowing that you have given up the opportunity to throw peanuts at distant stars while standing on freshly baked cabbage rolls? There would even have been an extra chimera to tango with.

Ah yes, the tango I do regret leaving. You see, I have given up my place in this place to return to this world and to explain what others do not have. What they do not have, they will not have in this place, yet this place still provides what they might not wish to not have. Imagine! A place with immeasurable chocolate deviancy and uncountable cadmium molecules. A place where a metre is almost one hundred centimetres and where the street lamps hop around on one leg. A place where the heads of camels heads sit on their humps and where you can capture two ohms in a butterfly net made from rattlesnake hair while standing on tiptoe craning for a view of the canyon's hole rushing by alongside the postage stamp's sphere of influence. Did you even realize that people are willing to crawl backwards on thin air? In this place, you put your socks on one foot at a time.

But I regret that I can no longer go on. And neither can you. We have come too far and you have been too close. You know too much. I therefore must inform you on behalf of this place that your rights have been respected in all their glories and to preserve our honour the time has come during which you must be fully and undeniably terminated never again to know the living life of what could have been yours. Goodbye and good luck.

ERTH by Xavier Galvez COMP 9T9+P www.ecf.toronto.edu/~galvez/funnies
Y'know, You're really into this orientation thing aren't you — jumping into the dye and getting all purple
Yeah, with that kinda spirit little F!rosh, you'll go far in Engineering!
uh...
...Actually, I just kinda fell into the dye.
Fell in? That's funny
Well... that's not the worse part. I didn't realize the tank of dye was chilly and I thought I could handle it, but, uh, I just had to, y'know... uh... go.
What??? You mean you went... in the dye ??? Geez... and you were first in line???
oh dear

Sports

ENG-JOC: Engineering Athletic Association

by Shyam Rao COMP 0T0

1997-98 EAA Executives:

President:	Taras Kohut
Mens' Director:	Steve Aquino
Women's Director:	Cathy Cheung
Co-Ed Director:	Andy Tsai
Finance:	Ghassan Sleiman
Administration:	Jeremy Wholeber
Tournament Director:	Howard Jung
Publicity Director:	Andrew Choi

F!rosh Recruitment

Everything you have heard about Engineering at the University of Toronto may probably be true, however, contrary to carefully constructed stereotypes, athletic enthusiasm and talent do indeed flourish here. You, the F!ROSH, have the opportunity to continue the sports you loved in high school and to venture into a new realm of sports.

There are two basic ways of athletic expression in the university: varsity sports (meaning intercollegiate), and intramurals (which consist of teams from the Scarborough, Erindale, and St. George campuses). The former is usually of a different caliber from the latter, which is evident from the enormous time commitment that the high-competition varsity sports demand. Many Engineers manage to succeed in balancing Skule and varsity — don't write off your chances! However, participating on intramural teams is just as fun and rewarding and often the more popular choice.

Our menu this season...

Engineering produces an astonishing number of teams to represent us in the intramural system. Occasionally, enough interest is pooled within a more concentrated group to produce a team all on their own, like the Civil graduate's hockey team. More likely, an existing team (structure) is what you, the F!ROSH, are looking for. Here is what this year's teams look like:

TEAM & TYPE (Men's, Women's, Co-ed.)	
Field Hockey	W
Volleyball	M, W, & C
Ice Hockey	M, W
Basketball	M, W & C
Rugby	M
Waterpolo	M
Inner tube waterpolo	C
Indoor Soccer (winter)	M, W
Outdoor Soccer (summer)	M, W

Specials

Do not forget that there are countless tournaments that are held all the time throughout the entire year. Badminton, tennis, squash, co-ed softball - check with the athletic directors: they have mailboxes in Eng. Soc. Also check out events at the Athletic Centre or Hart House, the two main athletic facilities, for any sport or activity you deem under-represented in the intramurals.

The Mad F!rosh Hordes

The f!rosh sign-ups held during orientation are always bombarded with enthused young uns'. The result: each team ends up with a cast of thousands. But don't be discouraged - make sure YOU sign up for the teams you really want because 80-90% of the signees will hit classes, assignments and mid-terms like a brick wall and they won't want to do what they so cheerfully volunteered to do during orientation. What you should, however, always keep in mind is the fact that participation in extracurricular activities is what makes your years as an undergraduate engineer memorable.

Attention: 4th Year Students

RE: GRAD PHOTOS

Sign up for Graduation Photos in Eng Soc. at Julie's Office ASAP! Slots will fill up quickly. This is your ONLY chance to take grad. photos and have them included in the class composite and the yearbook.

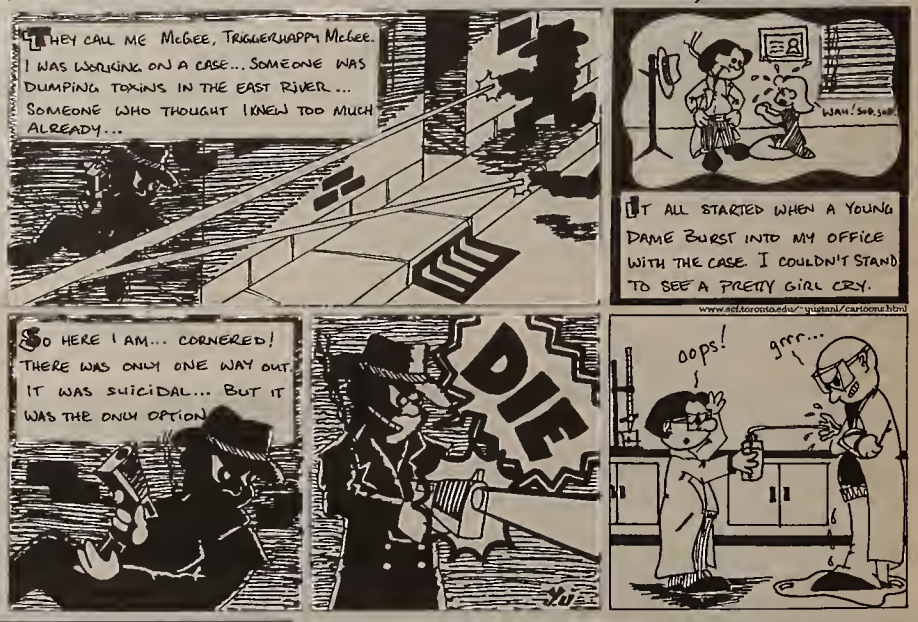
The first day of photos is Wednesday September 10, 1997 for a limited time.

This is a message from Karen Barbara, your fourth year chair. If you want a say in your Gradball keep your eyes open for Fourth Year Committee meetings in late September or early October.

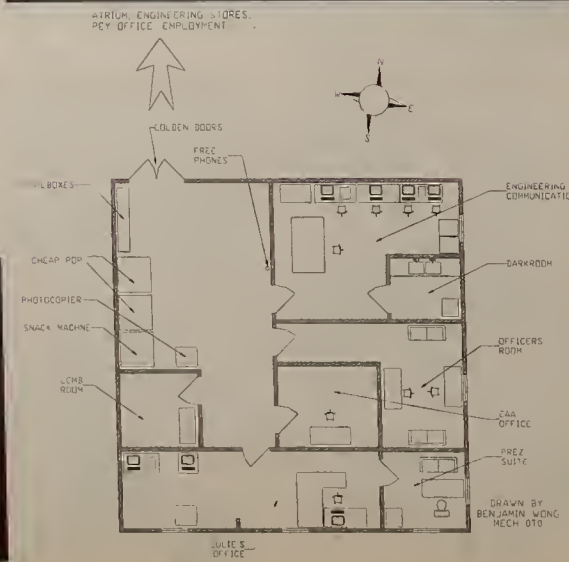
e-mail: *fourthyear@skule.ca*

Stanland

by Stanis Yu ENV CHEM 9T9


THEY CALL ME McGEE, TRIGGERHAPPY McGEE. I WAS WORKING ON A CASE... SOMEONE WAS DUMPING TOXINS IN THE EAST RIVER... SOMEONE WHO THOUGHT I KNEW TOO MUCH ALREADY...
WAH! SOB, SOB
IT ALL STARTED WHEN A YOUNG DAME BURST INTO MY OFFICE WITH THE CASE. I COULDN'T STAND TO SEE A PRETTY GIRL CRY.
www.ecf.toronto.edu/~yustanl/cartoone.html
SO HERE I AM... CORNERED! THERE WAS ONLY ONE WAY OUT. IT WAS SUICIDAL... BUT IT WAS THE ONLY OPTION
DIE
oops!
grrr...

Eng Soc... At A Glance!



Express Yourself at The Cannon

Are you tired of not being heard? Well here's your opportunity to make a statement — join the Cannon! Whether you are interested in writing, drawing, doing layout or you just want to soak up the atmosphere and bounce around ideas. We're always looking for fresh new faces so come on out and bring us your creative brain! The best part is that no experience necessary. We teach you all you need to know, and if you can teach us, all the better!

So whether you're F!rosh or whether you're mature upper-years, don't be shy! And if you're lucky, there's free food! (no guarantees) If for any reason you can't make it and you're still interested, email the editors, Gina Seto at <seto@ecf> or Julian Dunn at <dunnj@ecf>.

Our next meeting is on Wednesday, September 10 at 5:15 p.m. Watch for posters announcing the location. (We'll pick a really cool room for it.)